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- receiving a handover parameter for said cell (20; 40), said handover parameter being determined based on the radio coverage characteristics of said cell (20; 40); and
- modifying said list based on measured signal quality and said received handover parameter.
- 4. The method according to claim 3, further comprising the steps of:
- classifying cells (10-70) of said communications system (1) into multiple handover-related classes based on radio coverage characteristics of said cells (10-70);
- assigning, for each handover-related class, a unique handover parameter; and
- determining to which handover-related class said cell (20; 40) is associated.
- 5. The method according to claim 3 or 4, further comprising the steps of:
- measuring signal quality for a communications link between said user equipment (200) and a base station (85) of a current best serving cell (10) to which said user equipment (200) is connected; and
- generating a list update request based on a comparison between said measured signal quality of said current cell (10), said measured signal quality of said cell (20; 40) and said handover parameter.
- 6. The method according to claim 5, wherein said modifying step comprises the steps of:
- receiving a list update command generated based on said list update request; and
 - updating said list based on said received list update command.
- 7. The method according to claim 5 or 6, wherein said request generating step comprises generating a cell add request if said signal quality of said cell (20; 40) is larger than said signal quality of said current cell (10) subtracted by said handover parameter.

8. The method according to any of the claims 5 to 7, wherein said request generating step comprises generating a cell delete request if said signal quality of said cell (20; 40) is smaller than said signal quality of said current cell (10) subtracted by said handover parameter.

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9. The method according to claim 2, wherein said generating step comprises the steps of:

- receiving a handover-triggering request from said user equipment (200), said request being generated based on said measured signal quality of said cell (20; 40), said handover parameter and measured signal quality for a communications link between said user equipment (200) and a base station (85) of a current best serving cell (10) to which said user equipment (200) is connected; and

- generating said handover triggering command based, on said request.
- 10. The method according to claim 2 or 4, wherein said multiple handoverrelated classes comprise a first handover-related class and a second handoverrelated class.

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- 11. The method according to claim 10, wherein said first and second classes are selected from at least one of:
- said first class comprises cells (20, 30) of a same site (80) as a current best serving cell (10) to which said user equipment (200) is connected and said second class comprises cells (40) of other sites (90);
- said first class comprises neighboring cells (20, 30) of a same site (80) as said current cell (10) and said second class comprises non-neighboring cells of said same site (80) and cells (40) of other sites (90);
- said first class comprises micro and pico cells (70) and said second class comprises macro cells (50, 60); and
- said first class comprises high-sectored cells (80, 90) and said second class comprises low-sectored and non-sectored cells (50-70).

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- 12. The method according to claim 1, wherein said multiple handover-related classes comprise a first handover-related class and a second handover-related class and said communications system (1) comprises user equipment (200) connected to a current best serving cell (10), said first and second handover-related classes are selected from at least one of:
- said first class comprises cells (20, 30) of a same site (80) as said current cell (10) and said second class comprises cells (40) of other sites (90);
- said first class comprises neighboring cells (20, 30) of a same site (80) as said current cell (10) and said second class comprises non-neighboring cells of said same site and cells (40) of other sites (90);
- said first class comprises micro and pico cells (70) and said second class comprises macro cells (50, 60); and
- said first class comprises high-sectored cells (80, 90) and said second class comprises low-sectored and non-sectored cells (50-70).
- 13. The method according to any of the claims 10 to 12, wherein a handover parameter of said first class is larger than a handover parameter of said second class.
- 14. The method according to claim 1, further comprising the steps of:
 - determining communications traffic statistics for said cellular communications system (1); and
 - re-classifying said cells (10-70) of said communications system (1) based on said radio coverage characteristics of said cells (10-70) and said determined communications traffic statistics.
 - 15. The method according to claim 1 or 2, wherein a handover-related class is associated with a unique set of multiple handover parameters.
- 16. The method according to any of the claims 1 to 15, wherein said handover parameter affects a possible handover region for said cell (20; 40).

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- 17. A system (100) for assigning a handover parameter to a cell (20; 40) in a cellular communications system (1), said system (100) comprising:
- means (120) for classifying cells (10-70) of said communications system (1) into multiple handover-related classes based on radio coverage characteristics of said cells (10-70), each handover-related class being associated with a unique handover parameter;
- means (130), connected to said classifying means (120), for determining to which handover-related class said cell (20; 40) is associated; and
- means (160), connected to said determining means (130), for assigning, to said cell (20; 40), the handover parameter associated with said determined handover-related class.
- 18. The system according to claim 17, wherein said assigning means (160) is configured for assigning a unique set of multiple handover parameters to each handover-related class.
- 19. The system according to claim 17 or 18, wherein said classifying means (120) is configured for re-classifying said cells (10-70) of said communications system (1) based on radio coverage characteristics of said cells (10-70) and communications traffic statistics for said communications system (1).
- 20. The system according to any of the claims 17 to 19, wherein said classifying means (120) is configured for classifying said cells (10-70) into a first handover-related class and a second handover-related class and said communications system (1) comprises user equipment (200) connected to a current best serving cell (10), said first and second handover-related classes are selected from at least one of:
- said first class comprises cells (20, 30) of a same site (80) as said current cell (10) and said second class comprises cells (40) of other cells (90);
- said first class comprises neighboring cells (20, 30) of a same site (80) as said current cell (10) and said second class comprises non-neighboring cells of said same site and cells (40) of other sites (90);

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- said first class comprises micro and pico cells (70) and said second class comprises macro cells (50, 60); and
- said first class comprises high-sectored cells (80, 90) and said second class comprises low-sectored and non-sectored cells (50-70).
- 21. The system according to claim 20, wherein said assigning means (160) is configured for assigning a larger handover parameter for said first class than for said second class.
- 22. A system (100) for triggering a handover-related procedure for user equipment (200) in a cellular communications system (1), said system (100) comprising:
 - means (120) for classifying cells (10-70) of said communications system (1) into multiple handover-related classes based on radio coverage characteristics of said cells (10-70),
 - means (160) for assigning, for each handover-related class, a unique handover parameter;
 - means (140) for generating a handover triggering command based on measured signal quality for a communications link between said user equipment (200) and a base station (85; 95) of a cell (20; 40) and a handover parameter associated with the handover-related class of said cell (20; 40); and
 - means (110) for transmitting said handover triggering command to said user equipment (200), said handover triggering command allowing said user equipment (200) to perform said handover-related procedure involving said cell (20; 40).
 - 23. The system according to claim 22, further comprising means (110) for receiving a handover-triggering request from said user equipment (200), said request being generated based on said measured signal quality of said cell (20; 40), said handover parameter and measured signal quality for a communications link between said user equipment (200) and a base station (85) of a current best serving cell (10) to which said user equipment (200) is

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connected, and said generating means (140) is configured for generating said handover triggering command based on said request.

- 24. The system according to claim 22 or 23, wherein cells (10-70) of said communications systems (1) are classified into a first handover-related class and a second handover-related class, each of said first and second handover-related class being associated with a unique handover parameter.
- 25. The system according to claim 24, wherein said first and second classes are selected from at least one of:
- said first class comprises cells (20, 30) of a same site (80) as a current best serving cell (10) to which said user equipment (200) is connected and said second class comprises cells (40) of other sites (90);
- said first class comprises neighboring cells (20, 30) of a same site (80) as said current cell (10) and said second class comprises non-neighboring cells of said same site (80) and cells (40) of other sites (90);
- said first class comprises micro and pico cells (70) and said second class comprises macro cells (50, 60); and
- said first class comprises high-sectored cells (80, 90) and said second class comprises low-sectored and non-sectored cells (50-70).
- 26. The system according to any of the claims 17 to 25, wherein said handover parameter affects a possible handover region for said cell (20; 40).
- 27. The system according to any of the claims 17 to 26, wherein said system (100) is provided in a radio network controlling node in said communications system (1).
 - 28. A unit for modifying a list of connected cells for user equipment (200) in a cellular communications system (1), said unit comprising:
 - means (220) for measuring signal quality for a communications link between said user equipment (200) and a base station (85; 95) of a cell (20; 40);

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- means (210) for receiving a handover parameter for said cell (20; 40), said handover parameter being determined based on the radio coverage characteristics of said cell (20; 40); and
- means (240), connected to said measuring means (220) and said receiving means (210), for modifying said list based on measured signal quality and said received handover parameter.
- 29. The unit according to claim 28, wherein cells (10-70) of said communications system (1) are classified into multiple handover-related classed based on radio coverage characteristics of said cells (10-70) and each handover-related class being associated with a unique handover parameter.
- 30. The unit according to claim 28 or 29, wherein said measuring means (220) is configured for measuring signal quality for a communications link between said user equipment (200) and a base station (85) of a current best serving cell (10) to which said user equipment (200) is connected, and said unit further comprising means (230) for generating a list update request based on a comparison between said measured signal quality of said current cell (10), said measured signal quality of said cell (20; 40) and said handover parameter.
- 31. The unit according to claim 30, further comprising means (210) for receiving a list update command generated based on said list update request, and said modifying means (240) being configured for updating said list based on said received list update command.
- 32. The unit according to claim 30 or 31, wherein said generating means (230) comprises means (234) for generating a cell add request if said generating means (230) finds that said signal quality of said cell (20; 40) is larger than said signal quality of said current cell (10) subtracted by said handover parameter.

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- 33. The unit according to any of the claims 30 to 32, wherein said generating means (230) comprises means (236) for generating a cell delete request if said generating means (230) finds that said signal quality of said cell (20; 40) is smaller than said signal quality of said current cell (10) subtracted by said handover parameter.
- 34. The unit according to claim 29, wherein cells (10-70) of said communications systems (1) are classified into a first handover-related class and a second handover-related class, each of said first and second handover-related class being associated with a unique handover parameter.
- 35. The unit according to claim 34, wherein said first and second classes are selected from at least one of:
- said first class comprises cells (20, 30) of a same site (80) as a current best serving cell (10) to which said user equipment (200) is connected and said second class comprises cells (40) of other sites (90);
- said first class comprises neighboring cells (20, 30) of a same site (80) as said current cell (10) and said second class comprises non-neighboring cells of said same site (80) and cells (40) of other sites (90);
- said first class comprises micro and pico cells (70) and said second class comprises macro cells (50, 60); and
- said first class comprises high-sectored cells (80, 90) and said second class comprises low-sectored and non-sectored cells (50-70).
- 25 36. The unit according to any of the claims 28 to 35, wherein said handover parameter affects a possible handover region for said cell (20; 40).
 - 37. The unit according to any of the claims 28 to 36, wherein said unit is provided in said user equipment (200).